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DIALOG(R)File 351:Derwent WPI
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Heat adhesive hollow conjugate fibre - has low m.pt. sheath and
high m.pt. core, for bulky nonwoven fabric mfr

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicant No	Kind	Date	Week
JP3069614	A	19910326	JP 89153162	A	19890615	199118 B

Priority Applications (No Type Date): JP 89153162 A 19890615

Abstract (Basic): JP 3069614 A

The conjugate fibre consists of (a) sheath component with
relatively low m.pt. and (b) core component with relatively high m.pt.
The cavity wall is composed partially of the sheath component and
partially of the core component; and sheath /core gravimetric ratio
and cavity percentage of the hollow conjugate fibre are
respectively 20/80-70/30 and 5-50%.

The sheath is made e.g. of copolyester (terephthalate/isophthalate
ratio 60/40, intrinsic viscosity 0.61, m.pt. 126 deg. C), while the
core is made typically of polyethylene terephthalate (intrinsic
viscosity 0.63, m.pt. 259 deg. C).

USE/ADVANTAGE - The conjugate fibre is used for producing
bulky heat-bonded nonwoven fabrics. It has improved latent crispiness
combined with sufficient heat adhesive property and gives nonwoven
fabrics having improved bulkiness, elastic resiliency and mechanical
strength.

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Derwent Class: A23; A94; F01; F04

International Patent Class (Additional): D01F-008/04 ; D04H-001/54